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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10177

| A. CLASSIFICATION OF SUBJECT MATTER IPC(7): B67C 003/28; G01F023/04; G01K003/14 US CL: 374/116, 140, 166, 178, 179, 185; 141/198; 73/295 According to International Patent Classification (IPC) or to both national classification and IPC | | | | | | |
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| B. FIEL | DS SEARCHED | | | | | |
| Minimum documentation searched (classification system followed by classification symbols) U.S.: Please See Continuation Sheet | | | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPAT, USPG-PUB, Derwent | | | | | | |
| | UMENTS CONSIDERED TO BE RELEVANT | | | | | |
| Category * | Citation of document, with indication, where a | | Relevant to claim No. | | | |
| X | US 6,202, 486 B1 (KEMP, J.W.) 20 March 2001(20 36-52. | 0.03.2001), figure 6, column 3, lines | 1-4, 7 | | | |
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| Further | documents are listed in the continuation of Box C. | See patent family annex. | | | | |
| * S ₁ | pecial categories of cited documents: | "T" later document published after the inter date and not in conflict with the applica | | | | |
| | defining the general state of the art which is not considered to be ar relevance | principle or theory underlying the inves | ntion | | | |
| | plication or patent published on or after the international filing date | "X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone | | | | |
| | which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as | "Y" document of particular relevance; the c considered to involve an inventive step combined with one or more other such | when the document is | | | |
| "O" document | referring to an oral disclosure, use, exhibition or other means | being obvious to a person skilled in the | art | | | |
| "P" document published prior to the international filing date but later than the priority date claimed | | "&" document member of the same patent family | | | | |
| Date of the actual completion of the international search Date of mailing of the international search report On the condition of the international search report | | | | | | |
| 28 July 2004 (28.07.2004) Name and mailing address of the ISA/US Authorized officer | | | | | | |
| Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 | | Diego F. F. Gutierrez | | | | |
| | kandria, Virginia 22313-1450 . (703) 305-3230 | Telephone No. (571)272-2245 | X | | | |

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